

GENERAL SPECIFICATIONS:

1. A pre-bid conference and site visit will be held and all parties intending to submit a bid are required to be present. The conference will be held at the Alabama Surface Mining Commission Office, Pinnacle Bank Building, 2nd floor, 1811 Second Avenue, Jasper, Alabama or an alternate location listed in the invitation to bid.
2. The purchase order will be awarded to the lowest bidder with bid not exceeding the amount of the bid limit. If a bidder does not feel that the project as outlined can be done for the amount of the bid limit, he may submit his own plan detailing what he can do to successfully reclaim the area for the bid limit or less. If all bidders feel the original plan cannot be implemented for the amount of the bid limit or less will be awarded the purchase order if their plan meets Commission approval.
3. The successful bidder will be required to obtain an NPDES storm water permit from the Alabama Department of Environmental Management (ADEM) and furnish a copy of the permit to the Commission prior to commencement of reclamation work. The Best Management Practices Plan (BMP) required for the permit will be engineered and provided to the successful bidder by the Commission. The cost of the permit and implementation of the BMP is at the contractor's expense and should be considered during bid preparation. The contractor will be responsible for performing all required NPDES permit site inspections. The BMP sediment control structures such as rock check dams, lay dams, silt fencing, etc., shall be installed by the contractor and inspected and approved by the Commission prior to commencement of reclamation work. It is the contractor's responsibility to meet permit requirements and to maintain all structures until they are released from the storm water permit by ADEM. (Storm water permit not required if grading is one acre or less).
4. Prior to issuance of the purchase order, the successful bidder must furnish proof of insurance (minimum limits of \$300,000 personal injury and &100,000 property damage (liability insurance).
5. Work must be performed in accordance with the requirements and the schedules outlined in each job specification. Payment will be made by the State following completion of the grading and revegetation and after inspection and approval of same by the Commission. Any deviation from the reclamation time schedule shall be shown and explained by prospective bidders.
6. Revegetation work shall not be initiated until final approval has been granted on the grade work. The Commission shall be notified when

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revegetation work is to begin. No materials (lime, fertilizer, seed or mulch) shall be applied without a representative of the Commission present unless previously approved by the Commission. Any materials applied without a representative of the Commission present (unless previously approved) shall not be considered as meeting the job specifications and shall be re-applied.

7. Documentary evidence (including receipts and tags from seed bags) will be required to demonstrate application of all materials (eg. Lime, fertilizer, seed, etc.) purchased.
8. If a contractor's bid is \$50,000 or more, the contractor must be a licensed general contractor in the State of Alabama before the bid can be considered (Code of Alabama 1975, Title 34-8). The general contractor's license number shall appear on the bid sheet as evidence of valid license.

RECLAMATION PROCEDURES:

The following procedures are further identified on the attached map.

GRADING:

Grading shall be completed with 120 calendar days (weather permitting) following receipt of purchase order. The site was graded, seeded, and mulched in the past, however seed did germinate in several areas. These areas will be replanted. Said areas encompass approximately 0.9 acres. These areas will be identified during the initial site visit. Roadways shall also be replanted.

INFLOW STRUCTURES:

1. Inflow structure #1 (I-1) shall be constructed at the southern end of basin 018P. Riprap shall extend a minimum of 2 feet up each side of the swale slope 3' x 50' x 16'. Larger Class II limestone riprap shall be incorporated into the final 5 feet of toe of the down drain apron. Riprap shall be keyed into the top, sides, and toe of the drain. I-1 shall be constructed using the following materials:
 - Non-Woven Geotextile Material (800 sq. ft.)
 - Class II Limestone Riprap (77 tons)
 - #57 Limestone Gravel (4 tons)
 - Crusher Run Limestone (2 tons)

2. Inflow structure #2 (I-2) is located at the eastern side of Basin 018P. I-2 shall be lined and compacted with Class II riprap. Riprap shall extend a minimum of 2 feet up each side of the swale slope 3' x 50' x 16'. Larger Class II riprap shall be incorporated into the final 5 feet of toe of the inflow drain apron. Riprap shall be keyed into the top, sides, and toe of the drain. I-2 shall be constructed using the following materials:
 - Non-Woven Geotextile Material (800 sq. ft.)
 - Class II Limestone Riprap (77 tons)
 - #57 Limestone Gravel (4 tons)
 - Crusher Run Limestone (2tons)

- Total Material For I-1 & I-2:
 - Non-Woven Geotextile Material (1600 sq. ft.)
 - Class II Limestone Riprap (154 tons)
 - #57 Limestone Gravel (8 tons)
 - Crusher Run Limestone (4 tons)

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REVEGETATION:

Revegetation shall be completed within 45 calendar days (weather permitting) following inspection and approval of grading. Seed mixtures illustrated in the below provided Tables 2 or 3 shall be applied to all areas of exposed soil.

Seeding rates in excess of those specified may be used at contractor's discretion.

Table 1: Fall/Winter Mix

Seed Species	Percent of Mix	Application Rate
Kentucky # 31 Tall Fescue	65%	48.75 lbs./acre
Bermudagrass	10%	7.5 lbs./acre
Kobe Lespedeza	10%	7.5 lbs./acre
Durana White Clover	10%	7.5 lbs./acre
Small Grains	5%	3.75lbs./acre
TOTALS:	100%	75lbs./acre

Table 2: Spring/Summer Mix

Seed Species	Percent of Mix	Application Rate
Kentucky # 31 Tall Fescue	35%	26.25 lbs./acre
Bermudagrass	20%	15 lbs./acre
Kobe Lespedeza	30%	22.5 lbs./acre
Durana Clover	10%	7.5 lbs./acre
Browntop Millet	5%	3.75lbs./acre
TOTALS:	100%	75lbs./acre

Only certified seed shall be used and all legumes must be treated with appropriate inoculums. In the event pre-mixed seed is applied, each individual bag shall be tagged illustrating and warranting seed species purity within the blend. If non pre-mixed seed is used, seed shall be applied in single applications for each species. All seed tags shall be retained for billing purposes as described in the *General Specifications*. Fertilizer may be applied per bag and/or granular bulk form. Soil amendments may be added in excess of soil testing recommendations at contractor's discretion. Seedbed preparation shall follow Table 3 provided below:

Table 3:

	Application	Application Rate
1.	Lime	3 tons per acre on 0.9 acres
2.	Fertilization	800 lbs. per acre of 13-13-13 on 0.9 acres
3.	Scarification	Discing
4.	Seeding	Refer to Table: 1 or 2 for species and application rates
5.	Mulching	Minimum of 4 rolls or 60 bales per acre on 0.9 acres

Soil amendments may be added in excess at contractor's discretion.

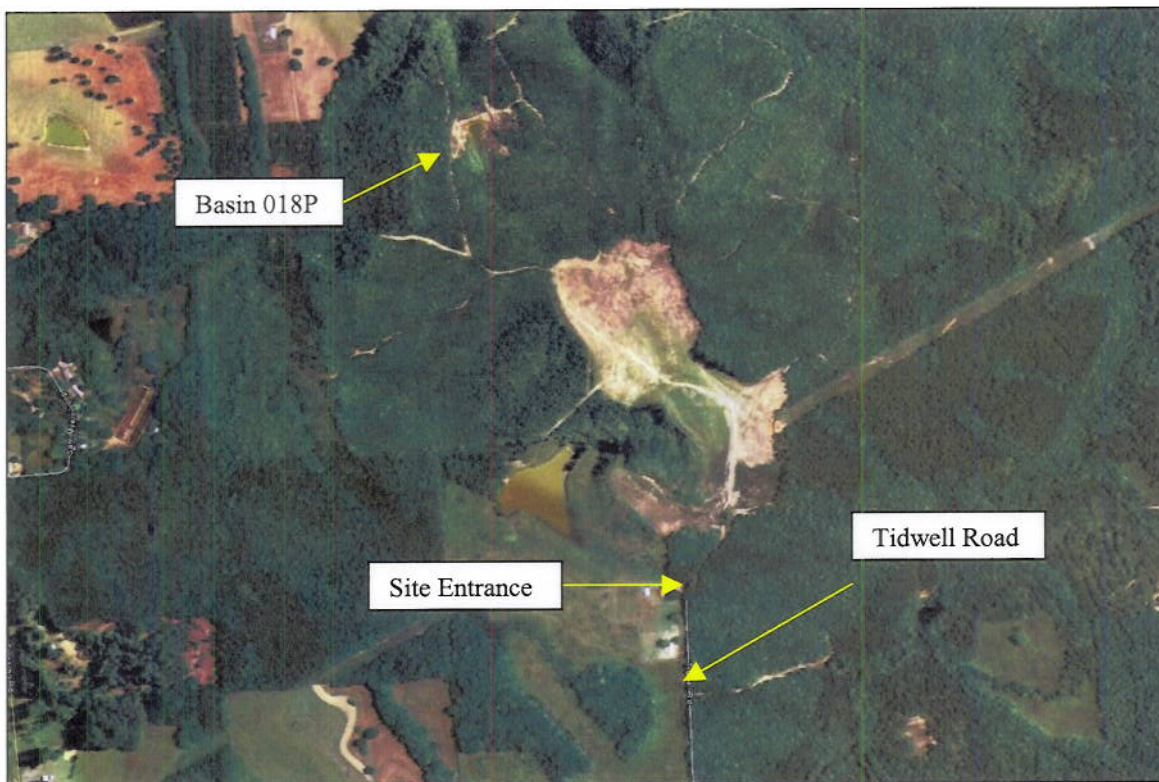
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NOTE: Documentary evidence will be required to demonstrate application of all materials; e.g., lime, fertilizer, seed, riprap purchased.

GROUNDSKEEPING:

Abandoned equipment and refuse relating to mining operation shall be removed from the subject site and appropriately disposed of in accordance to Federal, State, and local regulations. Any damage of existing vegetation caused by the contractor shall be replaced.

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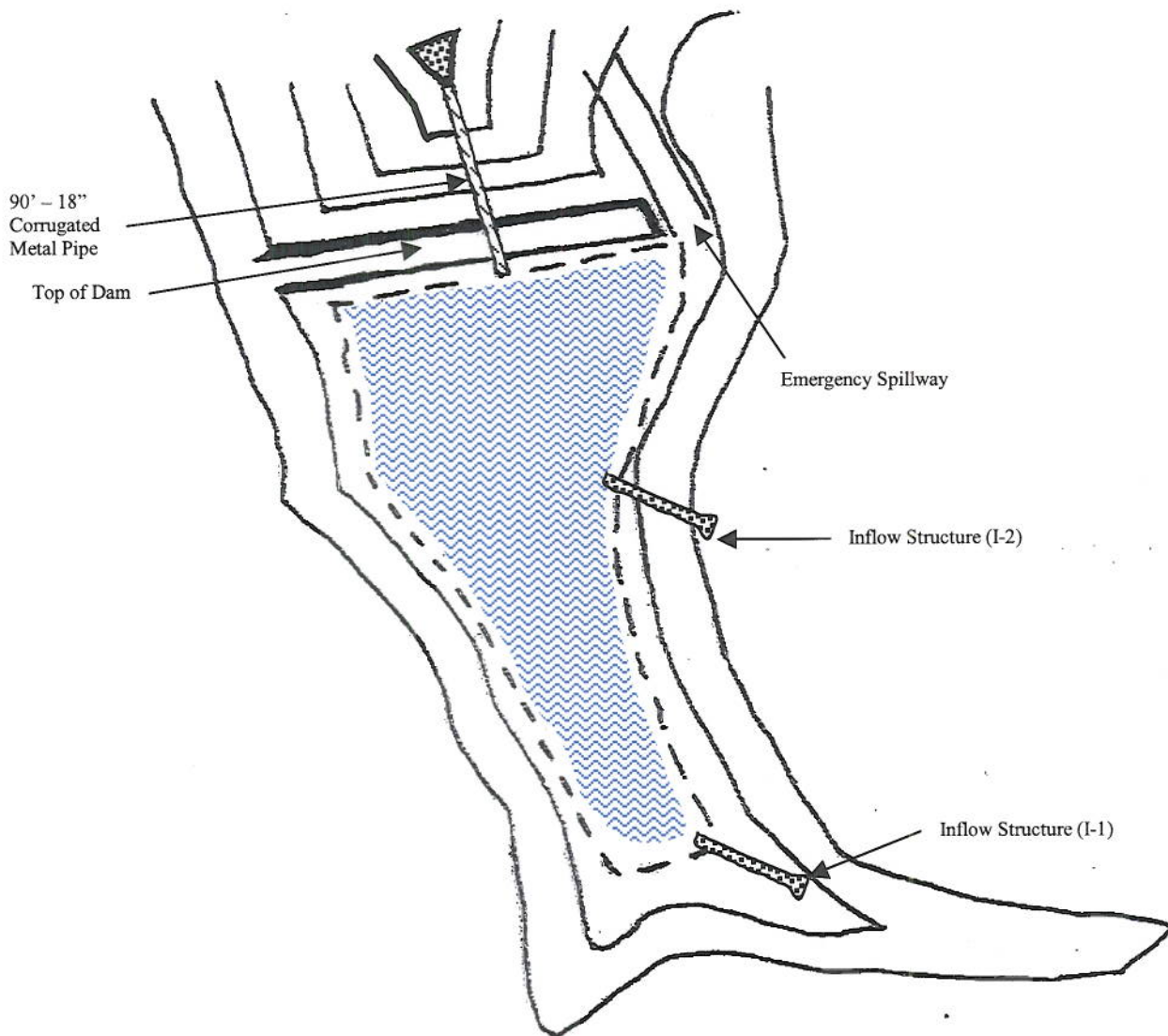


Site Entrance Coordinates:
33° 55' 06.06" N
87° 08' 44.98" W


Treadway, Inc.
Fancy Lump Mine #4
Walker County, Alabama
P-3816
Sections 10, 11, 14, & 15
Township 13 South
Range 6 West

Reg # 1434929

Basin 018P



LEGEND:

 Inflow Structure

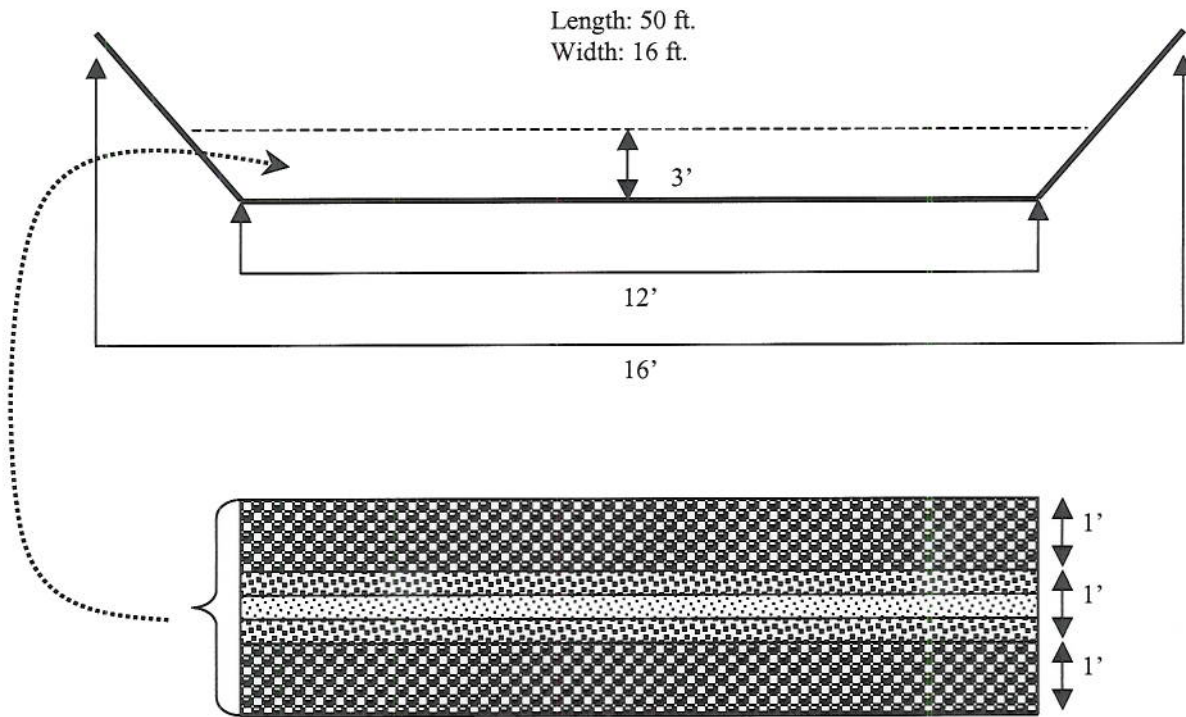
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NORTH







Reg #1434929

Inflow Structure



LEGEND:

	Non-Woven Geotextile Fabric		#57 Limestone Gravel
	Class II Limestone Riprap		Crusher Run Limestone

*Refer to the Reclamation Procedures for material amounts.

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